

## FEATURES

- 10A switching capabilities
- 1 pole & 2 pole configurations
- 5KV dielectric coil to contacts
- Low height 12.5mm, Creepage distance > 8mm
- UL and CUL approval File No.: E179937

## CONTACT DATA

Contact form	1A, 1B, 1C	2A, 2B, 2C
Contact resistance (Initial)	Max. 100mΩ	
Contact rating (Resistive load)	10A 250VAC / 30VDC	5A 250VAC / 30VDC
Max. switching current	10A	5A
Max. switching voltage	440VAC / 125VDC	
Max. switching power	2500VA 300W	1250VA 150W
Contact material	AgNi / AgSnO <sub>2</sub>	
Pilot Duty Single-pole	AgSnO <sub>2</sub> Contact: B300 125Vac 30A 接通 3A 斷開, 250Vac 15A 接通 1.5A 斷開 R300 125Vdc 0.22A,250Vdc 0.11A AgNi Contact: B300 125Vac 30A 接通 3A 斷開, 250Vac 15A 接通 1.5A 斷開 R300 125Vdc 0.22A,250Vdc 0.11A 1A, 30Vdc	
Weight	8g	

## CHARACTERISTICS

Insulation resistance	1000MΩ at 500VDC
Dielectric strength	5000VAC, between coil to contacts 1000VAC, between open contacts 2500VAC, between contact sets
Operate time	Max. 10 ms (nomi. voltage)
Release time	Max. 5 ms (nomi. voltage)
Vibration resistance	10 - 55Hz, double amplitude 1.65mm
Shock resistance	Functional: 98m/s <sup>2</sup> , Destructive: 980m/s <sup>2</sup>
Humidity	35% - 85% RH
Temperature rise	55°C (at nominal voltage)
Ambient temperature	- 40°C to + 85°C
Life expectancy	
- Electrical	1 x 10 <sup>5</sup> operations
- Mechanical	1 x 10 <sup>7</sup> operations

## COIL SPECIFICATIONS – (1A,1B,1C)

Nominal voltage(VDC)	Pick-up voltage (VDC)	Drop-out voltage (VDC)	Coil current (at 20°C) (mA)	Coil resistance (at 20°C) (Ω)	Power consumption (mW)
5	3.5	0.5	44.2	113±10%	220
6	4.2	0.6	36.6	164±10%	220
9	6.3	0.9	25	360±10%	220
12	8.4	1.2	19.4	620±10%	220
18	12.7	1.8	12.4	1455±10%	220
24	16.8	2.4	10.2	2350±15%	240
48	33.6	4.8	6	8000±15%	290
60	42	6	4.8	12500±15%	290

## COIL SPECIFICATIONS - (2A,2B,2C)

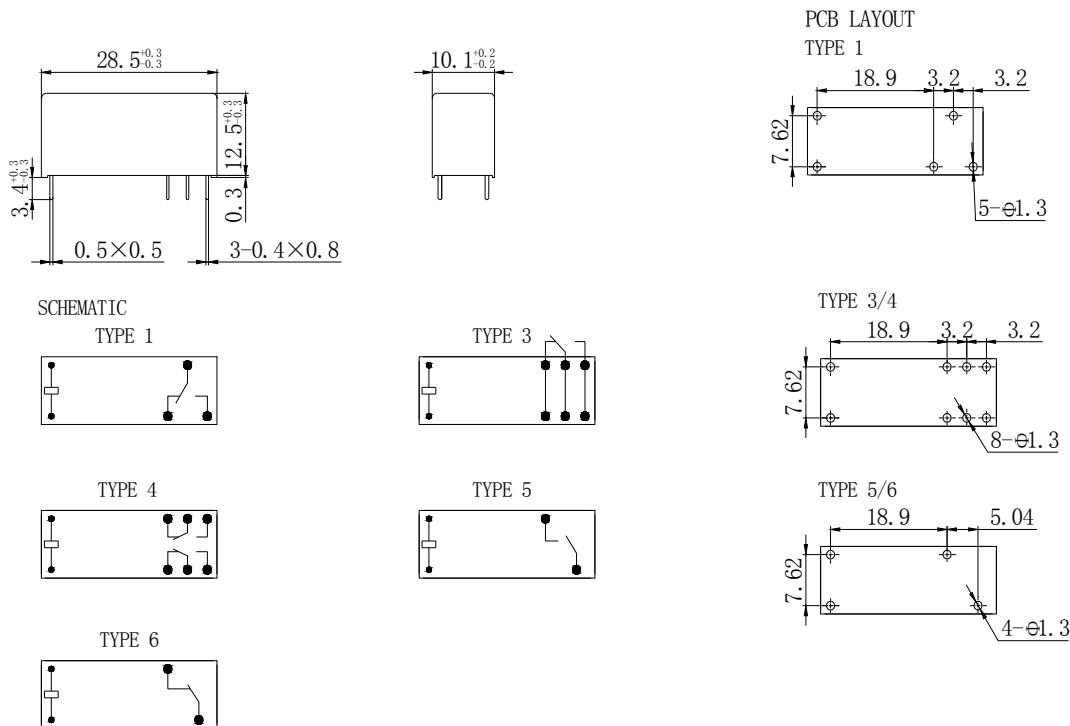
Nominal voltage(VDC)	Pick-up voltage (VDC)	Drop-out voltage (VDC)	Coil current (at 20°C) (mA)	Coil resistance (at 20°C) (Ω)	Power consumption (mW)
5	3.5	0.5	72	70±10%	360
6	4.2	0.6	60	100±10%	360
9	6.3	0.9	40	225±10%	360
12	8.4	1.2	30	400±10%	360
18	12.7	1.8	20	900±10%	360
24	16.8	2.4	15	1,600±15%	360
48	33.6	4.8	7.5	6,400±15%	360
60	42	6	6	10,000±15%	360

## ORDERING INFORMATION

**ME-25A** - **012** - **1Z** **S** **1** **T**

Model No.	Coil Voltage	Contact Form	Protection	Version Type	Contact Material
ME-25A	5、6、9、12、 18、24、48 and 60VDC	1H:1A 1D: 1B 1Z: 1C 2H: 2A 2D: 2B 2Z: 2C	Nil: Unsealed S: Sealed	1/3: 1 pole, 3.2mm 4: 2 pole 3A, 3.2mm 5: 1A, 5mm 6: 1B, 5mm	Nil: AgNi T: AgSnO <sub>2</sub> G: Gold plated

## Dimensions(unit:mm)



Disclaimer: All the specifications are subject to change without notice.